INFORMATION Management Conference

Geoplatform.gov: An Evolving Tool

for Accessing, Sharing, and Visualizing Geospatial Data

Transformation through Partnerships

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AmVet Technologies

Geoplatform.gov: An Evolving Tool

Outline for Today's Presentation:

- E-Government (E-Gov)
- How will Geoplatform.gov support decision making?
- What is geospatial data?
- How is Geoplatform.gov being developed?
- Functionality of Geoplatform.gov
- Questions

Geoplatform.gov: An Evolving Tool

What is E-Gov?

E-Government, or E-Gov, is the use of Internet-based technologies to make it easier for citizens and businesses to interact with the Federal Government, save taxpayer dollars, and streamline citizen participation.

- **Some (earlier) efforts have focused on "consolidation" of similar functions from the separate agency websites into centralized, "one-stop shops" like USAJob.gov.**
- **Other efforts have focused on making the wealth of data the Federal Government produces more accessible to the public, business, other Federal Agencies, and other governmental units.**
- **Making data easier to locate and obtain increases the value and utility of that data by making it accessible and thus more likely to be put to use.**

Why is Visualizing Geospatial Data Important?

- **Government, industry, and individual citizens increasingly rely on information linked to location for planning, investment, and management activities. The ability to display information through (interactive) maps helps to communicate complex ideas and spatial relationship more clearly and supports informed decision making.**
- **Put issues and events in context of location, the surrounding environment, and the people affected.**
- **Understand complex issues and integrate multiple data elements through one map or view.**
- **Recognize trends and relationships that might otherwise be missed.**
- **Integrate disparate types of data (spreadsheets, financial data, monitoring results, etc.) from multiple organizations into quickly and easily understood formats.**

Why Do We Need Geoplatform.gov?

- **Federal agencies and their partners collect and manage large amounts of geospatial data – but this data are often not easily found or accessible in useful forms.**
- **The Geospatial Platform is being built to provide the services and capabilities to solve these issues giving the public, businesses, and government agencies the ability to discover, integrate, visualize and map, and collaborate on (geospatial) data.**
- **Geoplatform.gov allows people to visualize (geospatial) data without the need to purchase specialized geographic information systems software. Users simply need to use a web browser to access the powerful tools under development within the Geoplatform.gov**

What is Geospatial Data?

- Geospatial data refers to any feature, event, or activity which can be located, referenced, measured, and recorded in 2 or 3 dimensional space; and possibly time.

Absolute Position

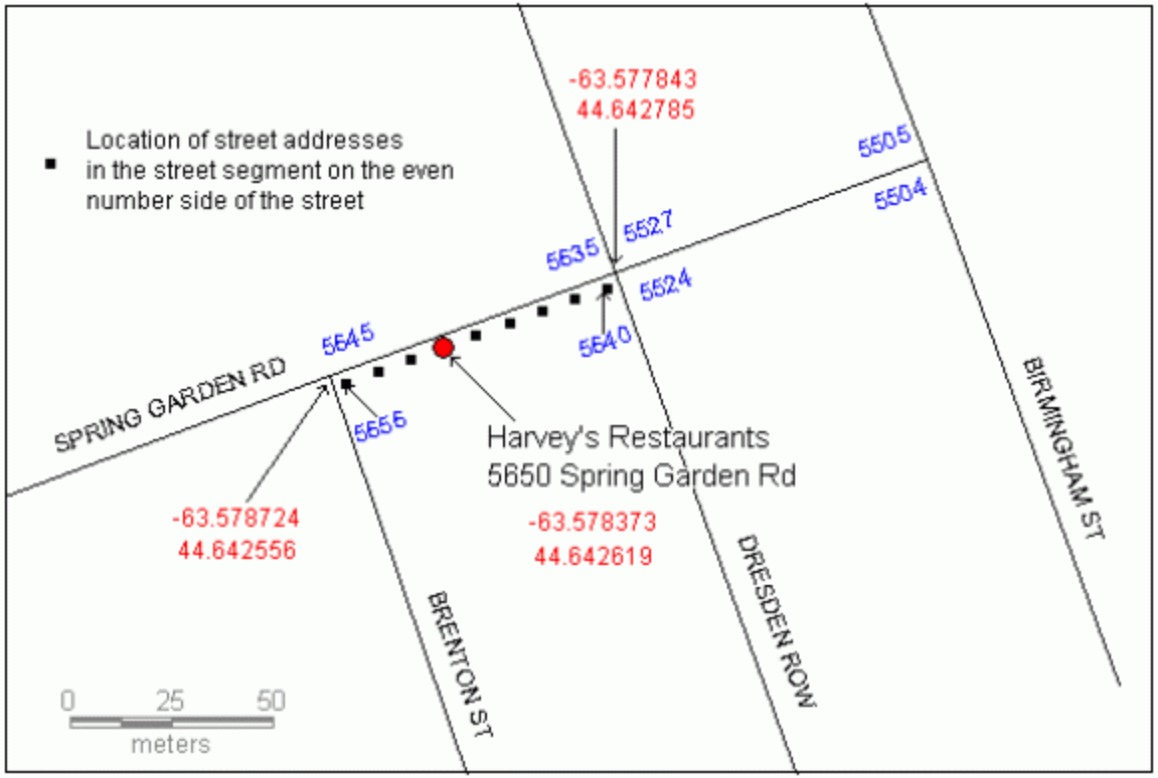
- X, Y, & Z coordinates
- Longitude, Latitude, Elevatioin or Depth
- Positions obtained through measurement: surveying, GPS, photogrammetry, etc.

Relative Position

- A feature is located relative to another feature or object.
- (Street) Addresses
- ZIPCodes
- Linear Reference Systems

What is Geospatial Data? (continued)

Absolute Position vs. Relative Position



How is Geoplatform.gov Being Developed?

- **The partner agencies of the Federal Geographic Data Committee (FGDC) are developing a geospatial platform to more effectively provide place-based products and services to the American public.**

- **The FGDC is establishing Standards for geospatial data and building the National Spatial Data Infrastructure (NSDI)**
- **The Geospatial Platform will be a managed portfolio of common geospatial data, services, and applications contributed and administered by authoritative sources and hosted on a shared infrastructure, for use by government agencies and partners to meet their mission needs and the broader needs of the Nation.**

What will the Geospatial Platform offer?

- **The Geospatial Platform will offer access to trusted geospatial data, services, and applications maintained in the Federal Geospatial Portfolio to support government agencies in meeting their mission objectives, and provide efficiencies and cost savings through shared infrastructure and enterprise solutions. The Geospatial Platform will provide:**
- **A "one-stop shop" to deliver trusted, nationally consistent data and services.**
- **Tools for the centralized discovery, access, and use of data and services managed and maintained in multiple agencies, locations, and levels of government. Tools that enable data to be displayed in a visual context.**
- **Problem-solving applications that are built once and reused many times across multiple Federal agencies and other organizations.**

What will the Geospatial Platform offer? (cont.)

- **Services based upon common, secure, and scalable open-standards, ensuring interoperability between components.**
- **A shared cloud computing infrastructure to cost-effectively host data and applications, and handle increased service demands quickly without additional hardware investments.**
- **Shared geospatial capabilities (hosting, services, analytical tools, etc.) for Federal agencies that do not have the financial or human resources to leverage geospatial tools to help them fulfill their mission requirements with little or no additional cost.**
- **The tools and infrastructure to enable decision makers to quickly and efficiently determine what geospatial data, services, and application assets can be brought to bear to address priorities, solve problems, and identify solutions.**

What will the Geospatial Platform offer? (cont.)

- **The opportunity to leverage complementary efforts such as Data.gov and the Federal cloud computing initiative.**
- **The means to implement the Federal Geospatial Portfolio Management processes described in the November 2010 Office of Management and Budget (OMB) *Circular A-16 Supplemental Guidance.***
- **A set of user-friendly tools to support key initiatives such as the Administration's Open Government Initiative and Place-Based Policies Initiative.**

A Common Framework for Geospatial Platform

- **Common Data - Core geospatial data will be a key building block of the platform. Data sets are selected because they meet inclusion criteria outlined in the *OMB A-16 Supplemental Guidance* and are used by two or more agencies/partners to meet their business needs.**
- **Common Services - Common geospatial services will provide users with consistent capabilities for performing necessary geospatial functions. Examples of common services include:**
  - **geocoding**
  - **basemap services**
  - **requirements development and tracking tools**
  - **system computing cycles and file transfer protocol (FTP) services**
  - **acquisition services**
  - **data production services**
  - **training**

A Common Framework for Geospatial Platform

- **Common Applications - Key tools or capabilities that enable users to perform geospatial visualization or analysis, including software, online applications and geo-processing required by two or more agencies/partners/customers. This category of applications includes a broad spectrum of analytical support generated to facilitate the government's delivery of services to citizens.**

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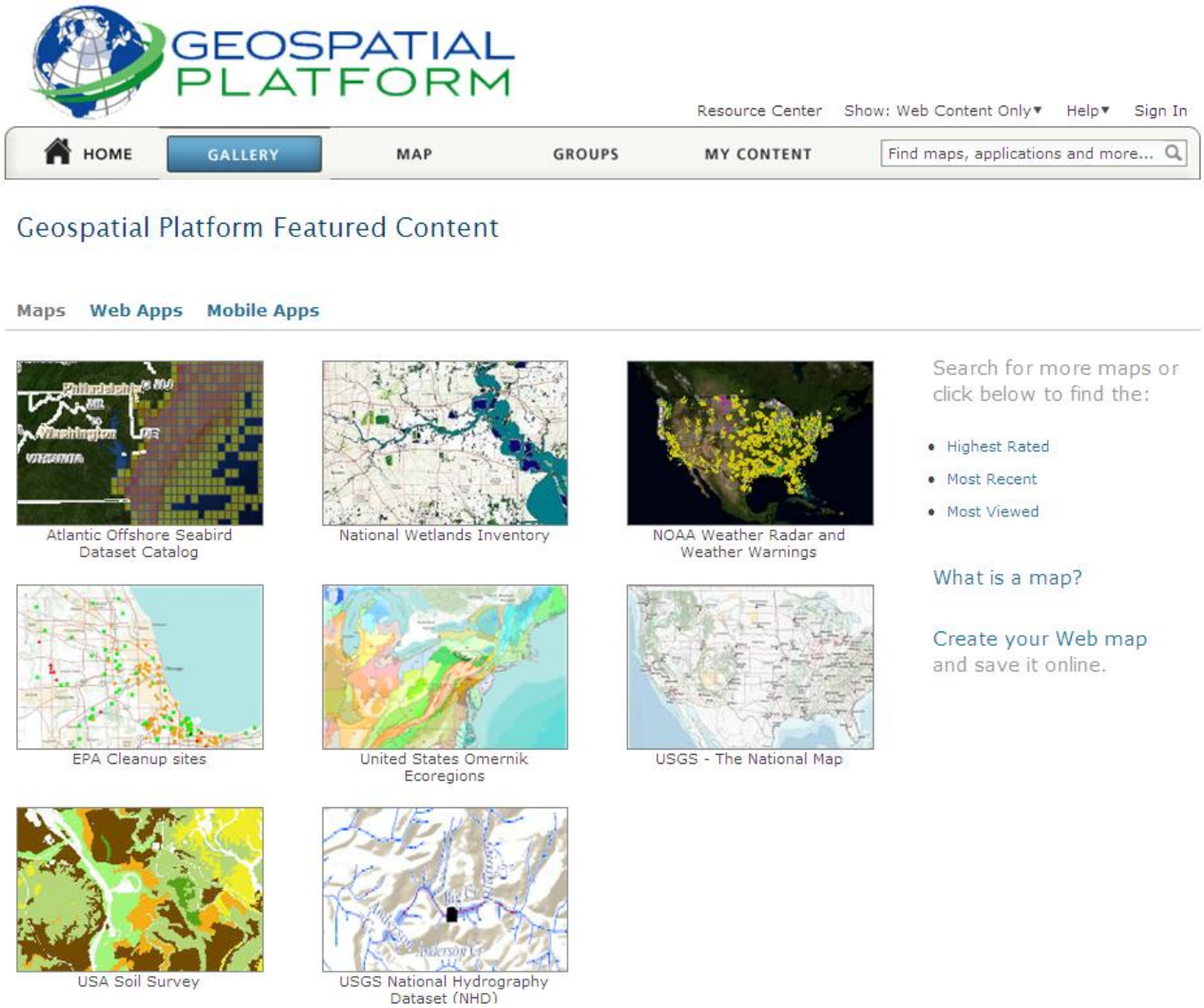

What is a Web app?

Create your own app using the ArcGIS API for:

- JavaScript
- Flex
- Silverlight

What is a mobile app?

Create your own mobile app using the ArcGIS API for:

- iOS
- Mobile
- Windows Phone
- Android

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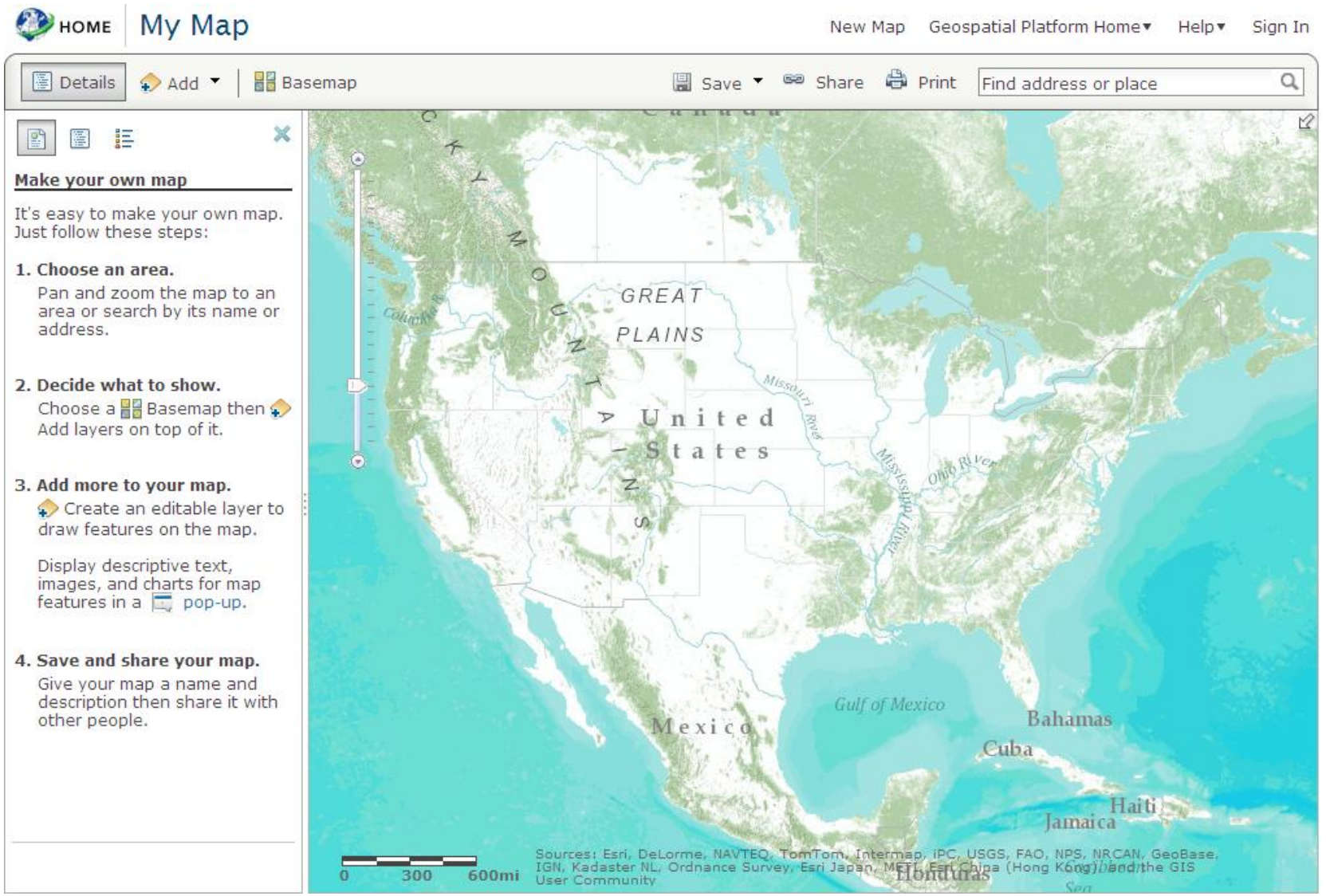

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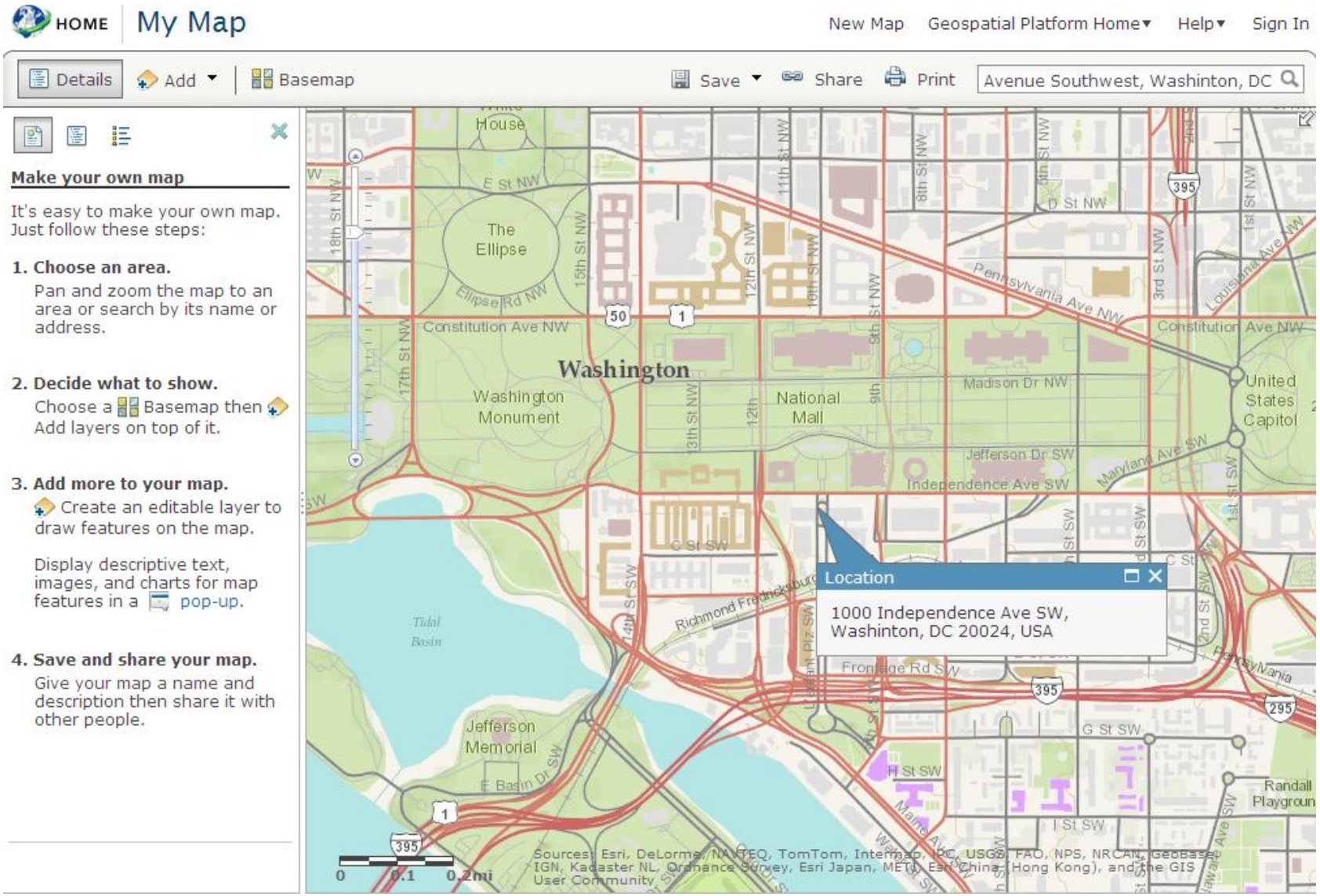

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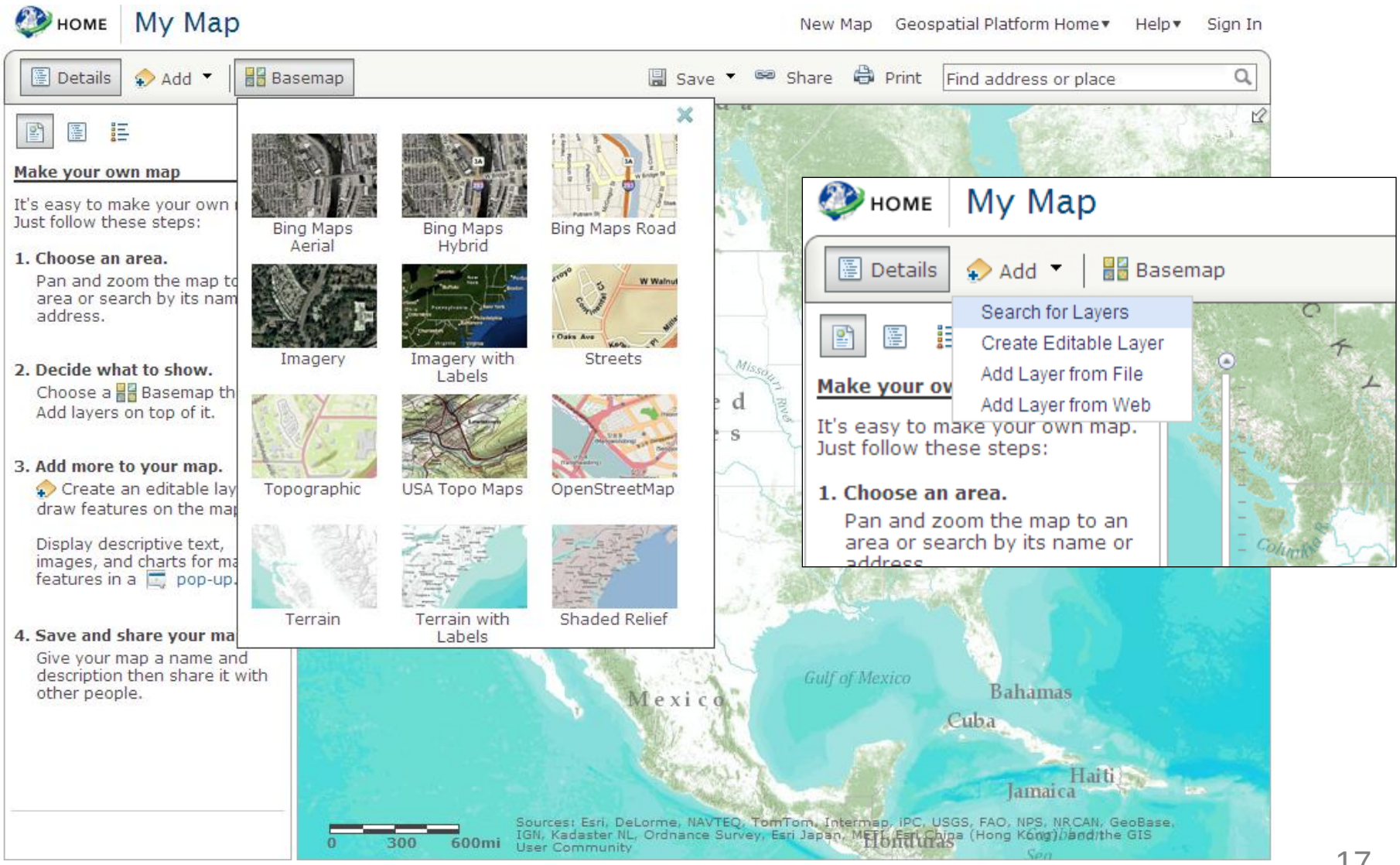

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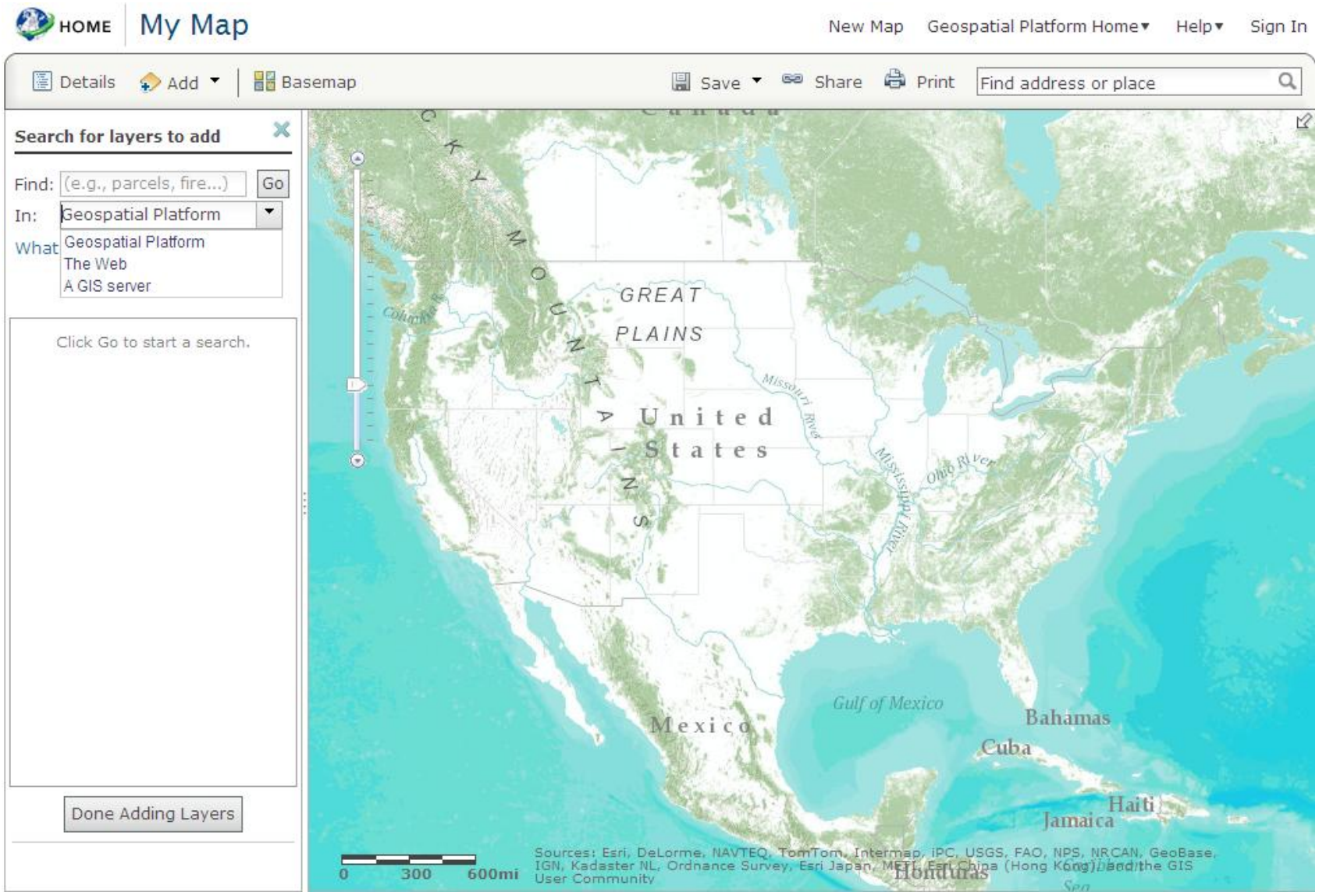

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GEOSPATIAL PLATFORM

Resource Center | Show: Web Content Only | Help | Sign In

HOME | GALLERY | MAP | GROUPS | MY CONTENT | Search for groups...

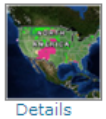
Groups allow you to collaborate with other people.

Later this year, you will be able to create your own account on the Geospatial Platform, which will allow you to:

- Create and share maps
- Upload your content
- Join and create groups

In the meantime, you can List all public groups. to explore what maps and information are currently available

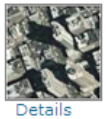
Here are a few groups that you may find interesting.


Details

Climate & Weather
A-16 group for Climate & Weather
created by ddnebert on October 3, 2011


Details

Governmental Units
Boundaries and areas of United States governmental units
created by ddnebert on October 3, 2011


Details

Imagery
Imagery from spaceborne and aerial platforms, digital orthophotography
created by ddnebert on October 3, 2011


Details

Land Use - Land Cover
Land use and surface properties of the land and terrestrial cover
created by ddnebert on October 3, 2011

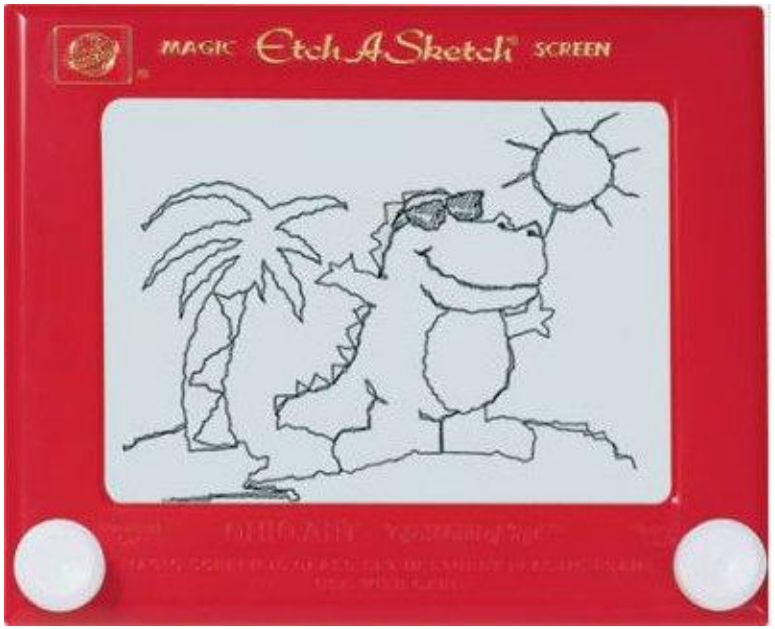

Details

Transportation
Transportation information (transit, roads, aviation, ferries, trails)
created by ddnebert on October 3, 2011


Details

Water - Oceans and Coasts
Ocean, marine, coastal, and estuarine information.
created by ddnebert on October 3, 2011

Questions?



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